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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results  
NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN  
NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added  
NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes  
NEWS 9 MAR 22 EMBASE is now updated on a daily basis  
NEWS 10 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL  
NEWS 11 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC  
thesaurus added in PCTFULL  
NEWS 12 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 13 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced  
NEWS 14 APR 12 Improved structure highlighting in FQHIT and QHIT display  
in MARPAT  
NEWS 15 APR 12 Derwent World Patents Index to be reloaded and enhanced during  
second quarter; strategies may be affected  
NEWS 16 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 17 MAY 11 KOREAPAT updates resume  
NEWS 18 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 19 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2  
NEWS 20 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS  
  
NEWS EXPRESS JUNE 16 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 23 MAY 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available after June 2006

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FILE 'HOME' ENTERED AT 17:13:26 ON 30 MAY 2006

=> file medline, biosis, wpids, hcaplus, uspatful, dgene, embase		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 17:13:54 ON 30 MAY 2006

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=> e sivaraman/au
E1          2      SIVARAMALINGAM M/AU
E2          2      SIVARAMAMURTY V/AU
E3          6 -->  SIVARAMAN/AU
E4          91     SIVARAMAN A/AU
E5          17     SIVARAMAN ALWARAPPA/AU
E6          1      SIVARAMAN AMINI/AU
E7          3      SIVARAMAN AMMU/AU
E8          11     SIVARAMAN ANAND/AU
E9          5      SIVARAMAN B/AU
E10         1      SIVARAMAN BALASUBRAMANIAM/AU
E11         45     SIVARAMAN C/AU
E12         42     SIVARAMAN C A/AU
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=> s plasmid and (pET-26b(+_-))
MISSING OPERATOR 'PET-26B(+_-'
```

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s plasmid and (bamHI)  
L1 32889 PLASMID AND (BAMHI)

=> s l1 and (pET-26b(+))  
MISSING OPERATOR 'PET-26B(+)'  
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l1 and (pET-26b)  
L2 29 L1 AND (PET-26B)

=> d his

(FILE 'HOME' ENTERED AT 17:13:26 ON 30 MAY 2006)

FILE 'MEDLINE, BIOSIS, WPIDS, HCAPLUS, USPATFULL, DGENE, EMBASE' ENTERED  
AT 17:13:54 ON 30 MAY 2006  
E SIVARAMAN/AU

L1 32889 S PLASMID AND (BAMHI)  
L2 29 S L1 AND (PET-26B)

=> s l2 and (pBR322)  
L3 16 L2 AND (PBR322)

=> s l3 and (Nde I 288)  
L4 0 L3 AND (NDE I 288)

=> d l3 ti abs ibib tot

L3 ANSWER 1 OF 16 USPATFULL on STN  
TI Modification of sugar metabolic processes in transgenic cells, tissues and animals  
AB The present invention provides natural or transgenic galactose deficient cells, tissues, organs and animals that have been genetically modified to compensate for the abnormalities in galactose metabolic pathways. The present invention modifies sugar metabolic pathways to prevent the deleterious accumulation of sugar metabolites in animals, tissues, organs, cells and cell lines that possess natural or transgenic abnormalities in the sugar metabolic pathways. Such cells, tissues, organs and animals can be used in research and medical therapy, including xenotransplantation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:62328 USPATFULL  
TITLE: Modification of sugar metabolic processes in transgenic cells, tissues and animals  
INVENTOR(S): Koike, Chihiro, Pittsburgh, PA, UNITED STATES  
PATENT ASSIGNEE(S): Univ. of Pittsburgh of the Commonwealth System of Higher Education, Office of Technology Management, Pittsburgh, PA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006053500	A1	20060309
APPLICATION INFO.:	US 2005-141611	A1	20050531 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-575539P	20040528 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: KING & SPALDING LLP, 191 PEACHTREE STREET, N.E., 45TH FLOOR, ATLANTA, GA, 30303-1763, US  
 NUMBER OF CLAIMS: 35  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 40 Drawing Page(s)  
 LINE COUNT: 7250  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 16 USPATFULL on STN  
 TI Compositions and methods for use in isolation of nucleic acid molecules  
 AB The present invention relates generally to recombinant genetic technology. More particularly, the present invention relates to compositions and methods for use in selection and isolation of nucleic acid molecules. The invention further relates to methods for the preparation of individual nucleic acid molecules and populations of nucleic acid molecules, as well as nucleic acid molecules produced by these methods. The invention also relates to screening and/or selection methods for identifying and/or isolating nucleic acid molecules which have one or more common features (e.g., characteristics, activities, etc) and populations of nucleic acid molecules which share one or more features.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:40624 USPATFULL  
 TITLE: Compositions and methods for use in isolation of nucleic acid molecules  
 INVENTOR(S): Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
 Cheo, David, Kensington, MD, UNITED STATES  
 Li, Xiao, Germantown, MD, UNITED STATES  
 Esposito, Dominic, Columbia, MD, UNITED STATES  
 Byrd, Devon R.N., Fredericksburg, VA, UNITED STATES  
 PATENT ASSIGNEE(S): Invitrogen Corporation, Carlsbad, CA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006035272	A1	20060216
APPLICATION INFO.:	US 2005-251821	A1	20051018 (11)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-151690, filed on 21 May 2002, ABANDONED Continuation-in-part of Ser. No. US 2001-907719, filed on 19 Jul 2001, PENDING Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, ABANDONED Continuation-in-part of Ser. No. US 2003-640422, filed on 14 Aug 2003, PENDING Continuation-in-part of Ser. No. US 2000-732914, filed on 11 Dec 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-291973P	20010521 (60)
	US 1997-65930P	19971024 (60)
	US 2002-402920P	20020814 (60)
	US 1999-169983P	19991210 (60)
	US 2000-188020P	20000309 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005, US  
 NUMBER OF CLAIMS: 47  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 57 Drawing Page(s)  
 LINE COUNT: 8301

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 16 USPATFULL on STN

TI Oxygenase enzymes and screening method

AB A method for detecting the presence of an oxygenated compound which is produced when a substrate is reacted with an oxygenase for the substrate. The method involves reacting a coupling enzyme with the oxygenated compound to form a polymeric oxygenated compound which is fluorescent or luminescent. Measurement of the fluorescence or luminescence of the polymeric oxygenated compound provides indirect detection of the oxygenated compound produced by reaction of the oxygenase with the substrate. The method is carried out in a whole cell environment wherein the cell is transformed to express both the oxygenase and the coupling enzyme. The method can be used to measure the activity of monooxygenases and dioxygenases on aromatic substrates. The method is amenable to large scale screening of enzyme mutants to isolate those with maximum oxygenase activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:140351 USPATFULL

TITLE: Oxygenase enzymes and screening method

INVENTOR(S): Arnold, Frances H., Pasadena, CA, UNITED STATES

Joo, Hyun, Suwon, KOREA, REPUBLIC OF

Lin, Zhanglin, Beijing, CHINA

PATENT ASSIGNEE(S): California Institute of Technology, Pasadena, CA,  
UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6902918	B1	20050607
APPLICATION INFO.:	US 1999-246451		19990209 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-94403P	19980728 (60)
	US 1998-106840P	19981103 (60)
	US 1998-86206P	19980521 (60)
	US 1998-106834P	19981103 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Rao, Manjunath

LEGAL REPRESENTATIVE: Darby & Darby

NUMBER OF CLAIMS: 17

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 45 Drawing Figure(s); 28 Drawing Page(s)

LINE COUNT: 3214

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites

AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:10957 USPATFULL

TITLE: Recombinational cloning using nucleic acids having recombination sites

INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES

Brasch, Michael A., Gaithersburg, MD, UNITED STATES

Temple, Gary F., Washington Grove, MD, UNITED STATES

PATENT ASSIGNEE(S): Fox, Donna K., Sykesville, MD, UNITED STATES  
Invitrogen Corporation, Carlsbad, CA (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005009091	A1	20050113
APPLICATION INFO.:	US 2004-921265	A1	20040819 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-985448, filed on 2 Nov 2001, PENDING Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, ABANDONED Continuation-in-part of Ser. No. US 1999-432085, filed on 2 Nov 1999, PENDING Division of Ser. No. US 1999-233493, filed on 20 Jan 1999, GRANTED, Pat. No. US 6143557 Continuation of Ser. No. US 1996-663002, filed on 7 Jun 1996, GRANTED, Pat. No. US 5888732 Continuation-in-part of Ser. No. US 1995-486139, filed on 7 Jun 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3453	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 5 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites

AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:320978 USPATFULL

TITLE: Recombinational cloning using nucleic acids having recombination sites

INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES  
Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
Temple, Gary F., Washington Grove, MD, UNITED STATES  
Fox, Donna K., Sykesville, MD, UNITED STATES

PATENT ASSIGNEE(S): Invitrogen Corporation, Carlsbad, CA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004253631	A1	20041216
APPLICATION INFO.:	US 2004-893235	A1	20040719 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-300892, filed on 21 Nov 2002, PENDING Division of Ser. No. US 2001-907719, filed on 19 Jul 2001, PENDING Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	

LEGAL REPRESENTATIVE: STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK  
AVENUE, N.W., WASHINGTON, DC, 20005  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 58 Drawing Page(s)  
LINE COUNT: 3471  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites  
AB Recombinational cloning is provided by the use of nucleic acids, vectors  
and methods, in vitro and in vivo, for moving or exchanging segments of  
DNA molecules using engineered recombination sites and recombination  
proteins to provide chimeric DNA molecules that have the desired  
characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:221387 USPATFULL  
TITLE: Recombinational cloning using nucleic acids having  
recombination sites  
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES  
Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
Temple, Gary F., Washington Grove, MD, UNITED STATES  
Fox, Donna K., Sykesville, MD, UNITED STATES  
PATENT ASSIGNEE(S): Invitrogen Corporation, Carlsbad, CA, UNITED STATES  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004171157	A1	20040902
APPLICATION INFO.:	US 2004-820133	A1	20040408 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3447	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 7 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites  
AB Recombinational cloning is provided by the use of nucleic acids, vectors  
and methods, in vitro and in vivo, for moving or exchanging segments of  
DNA molecules using engineered recombination sites and recombination  
proteins to provide chimeric DNA molecules that have the desired  
characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:221386 USPATFULL  
TITLE: Recombinational cloning using nucleic acids having  
recombination sites  
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES  
Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
Temple, Gary F., Washington Grove, MD, UNITED STATES  
Fox, Donna K., Sykesville, MD, UNITED STATES

PATENT ASSIGNEE(S): Invitrogen Corporation, Carlsbad, CA, UNITED STATES  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004171156	A1	20040902
APPLICATION INFO.:	US 2004-815730	A1	20040402 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-648790, filed on 28 Aug 2000, ABANDONED Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING Continuation-in-part of Ser. No. US 1999-432085, filed on 2 Nov 1999, PENDING Division of Ser. No. US 1999-233493, filed on 20 Jan 1999, GRANTED, Pat. No. US 6143557 Continuation of Ser. No. US 1996-663002, filed on 7 Jun 1996, GRANTED, Pat. No. US 5888732 Continuation-in-part of Ser. No. US 1995-486139, filed on 7 Jun 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3471	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 8 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites

AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:82756 USPATFULL

TITLE: Recombinational cloning using nucleic acids having recombination sites

INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES  
Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
Temple, Gary F., Washington Grove, MD, UNITED STATES  
Fox, Donna K., Sykesville, MD, UNITED STATES

PATENT ASSIGNEE(S): Invitrogen Corporation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004063207	A1	20040401
APPLICATION INFO.:	US 2003-680316	A1	20031008 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-907900, filed on 19 Jul 2001, PENDING Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING Continuation-in-part of Ser. No. US 2000-498074, filed on 4 Feb 2000, PENDING Continuation of Ser. No. US 1998-5476, filed on 12 Jan 1998, GRANTED, Pat. No. US 6171861 Division of Ser. No. US 1996-663002, filed on 7 Jun 1996, GRANTED, Pat. No. US 5888732 Continuation-in-part of Ser. No. US 1995-486139, filed on 7 Jun 1995, ABANDONED		



	NUMBER	DATE
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PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3704	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 9 OF 16 USPATFULL on STN

TI Oxygenase enzymes and screening method

AB A method for detecting the presence of an oxygenated compound which is produced when a substrate is reacted with an oxygenase for the substrate. The method involves reacting a coupling enzyme with the oxygenated compound to form a polymeric oxygenated compound which is fluorescent or luminescent. Measurement of the fluorescence or luminescence of the polymeric oxygenated compound provides indirect detection of the oxygenated compound produced by reaction of the oxygenase with the substrate. The method is carried out in a whole cell environment wherein the cell is transformed to express both the oxygenase being screened and the coupling enzyme. The method can be used to measure the activity of monooxygenases and dioxygenases on aromatic substrates. The method is amenable to large scale screening of enzyme mutants to isolate those with maximum oxygenase activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2003:294330 USPATFULL
TITLE:	Oxygenase enzymes and screening method
INVENTOR(S):	Arnold, Frances H., Pasadena, CA, UNITED STATES
	Joo, Hyun, Anyang City, KOREA, REPUBLIC OF
PATENT ASSIGNEE(S):	California Institute of Technology (U.S. corporation)

	NUMBER	KIND	DATE
	-----	-----	-----
PATENT INFORMATION:	US 2003207345	A1	20031106
APPLICATION INFO.:	US 2003-453104	A1	20030602 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-661093, filed on 13 Sep 2000, ABANDONED Continuation-in-part of Ser. No. US 1999-246451, filed on 9 Feb 1999, PENDING		

	NUMBER	DATE
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PRIORITY INFORMATION:	US 1998-94403P	19980728 (60)
	US 1998-106840P	19981103 (60)
	US 1998-86206P	19980521 (60)
	US 1998-106834P	19981103 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DARBY & DARBY P.C., Post Office Box 5257, New York, NY, 10150-5257	
NUMBER OF CLAIMS:	70	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	28 Drawing Page(s)	
LINE COUNT:	3576	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 10 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites

AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:251184 USPATFULL  
TITLE: Recombinational cloning using nucleic acids having recombination sites  
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES  
Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
Temple, Gary F., Washington Grove, MD, UNITED STATES  
Fox, Donna K., Sykesville, MD, UNITED STATES  
PATENT ASSIGNEE(S): Invitrogen Corporation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003175970	A1	20030918
APPLICATION INFO.:	US 2002-300892	A1	20021121 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-907719, filed on 19 Jul 2001, PENDING Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3692	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 11 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites  
AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:225904 USPATFULL  
TITLE: Recombinational cloning using nucleic acids having recombination sites  
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES  
Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
Temple, Gary F., Washington Grove, MD, UNITED STATES  
Fox, Donna K., Sykesville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003157716	A1	20030821
APPLICATION INFO.:	US 2001-985448	A1	20011102 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-65930P 19971024 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK  
AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934  
NUMBER OF CLAIMS: 51  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 58 Drawing Page(s)  
LINE COUNT: 3673  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 12 OF 16 USPATFULL on STN  
TI Immobilization of keratinase for proteolysis and keratinolysis  
AB A recombinant nucleic acid encoding a fusion protein wherein the  
recombinant nucleic acid comprises a nucleic acid encoding a keratinase  
fused to a nucleic acid encoding a first member of a specific binding  
pair is described. An immobilized keratinase comprising a fusion protein  
and a solid support is also described. A method of digesting substrates  
such as keratin (e.g., feather) or protein (e.g., casein) is also  
described herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:159378 USPATFULL  
TITLE: Immobilization of keratinase for proteolysis and  
keratinolysis  
INVENTOR(S): Shih, Jason C.H., Cary, NC, UNITED STATES  
Wang, Jeng-Jie, Raleigh, NC, UNITED STATES  
Swaigood, Harold E., Raleigh, NC, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108991	A1	20030612
APPLICATION INFO.:	US 2002-202339	A1	20020724 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-307494P	20010724 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MYERS BIGEL SIBLEY & SAJOVEC, PO BOX 37428, RALEIGH, NC, 27627	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Page(s)	
LINE COUNT:	1289	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 13 OF 16 USPATFULL on STN  
TI Recombinational cloning using nucleic acids having recombination sites  
AB Recombinational cloning is provided by the use of nucleic acids, vectors  
and methods, in vitro and in vivo, for moving or exchanging segments of  
DNA molecules using engineered recombination sites and recombination  
proteins to provide chimeric DNA molecules that have the desired  
characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:337459 USPATFULL  
TITLE: Recombinational cloning using nucleic acids having  
recombination sites  
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES  
Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
Temple, Gary F., Washington Grove, MD, UNITED STATES  
Fox, Donna K., Sykesville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002192819	A1	20021219
APPLICATION INFO.:	US 2001-907719	A1	20010719 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3690	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 14 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites

AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:307873 USPATFULL

TITLE: Recombinational cloning using nucleic acids having recombination sites

INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES  
 Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
 Temple, Gary F., Washington Grove, MD, UNITED STATES  
 Fox, Donna K., Sykesville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002172997	A1	20021121
APPLICATION INFO.:	US 2001-907900	A1	20010719 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3703	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L3 ANSWER 15 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites

AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination

proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:178786 USPATFULL  
TITLE: Recombinational cloning using nucleic acids having recombination sites  
INVENTOR(S): Hartley, James L., Frederick, MD, UNITED STATES  
Brasch, Michael A., Gaithersburg, MD, UNITED STATES  
Temple, Gary F., Washington Grove, MD, UNITED STATES  
Fox, Donna K., Sykesville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002094574	A1	20020718
APPLICATION INFO.:	US 2001-855797	A1	20010516 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-296281, filed on 22 Apr 1999, ABANDONED Division of Ser. No. US 1998-177387, filed on 23 Oct 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	58 Drawing Page(s)	
LINE COUNT:	3688	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 16 OF 16 USPATFULL on STN

TI Recombinational cloning using nucleic acids having recombination sites  
AB Recombinational cloning is provided by the use of nucleic acids, vectors and methods, in vitro and in vivo, for moving or exchanging segments of DNA molecules using engineered recombination sites and recombination proteins to provide chimeric DNA molecules that have the desired characteristic(s) and/or DNA segment(s).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:136413 USPATFULL  
TITLE: Recombinational cloning using nucleic acids having recombination sites  
INVENTOR(S): Hartley, James L., Frederick, MD, United States  
Brasch, Michael A., Gaithersburg, MD, United States  
Temple, Gary F., Washington Grove, MD, United States  
Fox, Donna K., Sykesville, MD, United States  
PATENT ASSIGNEE(S): Invitrogen Corporation, Carlsbad, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6277608	B1	20010821
APPLICATION INFO.:	US 1999-296280		19990422 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-177387, filed on 23 Oct 1998		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-65930P	19971024 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Guzo, David  
ASSISTANT EXAMINER: Leffers, Jr., Gerald G  
LEGAL REPRESENTATIVE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.  
NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 58 Drawing Figure(s); 58 Drawing Page(s)  
LINE COUNT: 3748  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

# Refine Search

## Search Results -

Terms	Documents
L8 and L7	37

Database:

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

Search:

L9

Refine Search

Recall Text

Clear

Interrupt

## Search History

DATE: Tuesday, May 30, 2006 [Printable Copy](#) [Create Case](#)

### Set Name Query

side by side

### Hit Count Set Name

result set

*DB=USPT; PLUR=YES; OP=OR*

<u>L9</u>	L8 and l7	37	<u>L9</u>
<u>L8</u>	Sivaraman.in.	42	<u>L8</u>
<u>L7</u>	l6 and (BamHI and Nde I)	1319740	<u>L7</u>
<u>L6</u>	L4 and lac I coding sequence	1615986	<u>L6</u>
<u>L5</u>	L4 and lack I coding sequence	1615986	<u>L5</u>
<u>L4</u>	L3 and (kan coding sequence)	4369	<u>L4</u>
<u>L3</u>	L2 and (pBr322)	4380	<u>L3</u>
<u>L2</u>	L1 and (pET-26b(+))	13951	<u>L2</u>
<u>L1</u>	plasmid and (fl origin)	26337	<u>L1</u>

END OF SEARCH HISTORY

# Hit List

[First Hit](#) [Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

## Search Results - Record(s) 1 through 10 of 37 returned.

### ☐ 1. Document ID: US 7024085 B2

L9: Entry 1 of 37

File: USPT

Apr 4, 2006

US-PAT-NO: 7024085

DOCUMENT-IDENTIFIER: US 7024085 B2

TITLE: Systems and devices for dynamic processing of optical signals

DATE-ISSUED: April 4, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040218855 A1	November 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Markwardt; Terry L.	Austin	TX		US
Fredin; Leif G.	Austin	TX		US
Chen; Ray T.	Austin	TX		US
Sivaraman; Ram	Austin	TX		US

US-CL-CURRENT: [385/129](#); [385/14](#), [385/140](#), [385/16](#), [385/24](#), [385/43](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMAC	Draw Desc	Ima
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### ☐ 2. Document ID: US 7000137 B2

L9: Entry 2 of 37

File: USPT

Feb 14, 2006

US-PAT-NO: 7000137

DOCUMENT-IDENTIFIER: US 7000137 B2

TITLE: System for and method of clock cycle-time analysis using mode-slicing mechanism

DATE-ISSUED: February 14, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040068705 A1	April 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<a href="#">Sivaraman</a> ; Mukund	Mountain View	CA		US
Gupta; Shail Aditya	Sunnyvale	CA		US

US-CL-CURRENT: [713/500](#); [716/6](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMAC	Draw Desc	Ima
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☐ 3. Document ID: US 6978288 B1

L9: Entry 3 of 37

File: USPT

Dec 20, 2005

US-PAT-NO: 6978288

DOCUMENT-IDENTIFIER: US 6978288 B1

TITLE: Coefficient update unit

DATE-ISSUED: December 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Natarajan; <u>Sivaraman</u>	Burlington	VT		

US-CL-CURRENT: 708/290; 708/274

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Ima
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☐ 4. Document ID: US 6966043 B2

L9: Entry 4 of 37

File: USPT

Nov 15, 2005

US-PAT-NO: 6966043

DOCUMENT-IDENTIFIER: US 6966043 B2

TITLE: Method for designing minimal cost, timing correct hardware during circuit synthesis

DATE-ISSUED: November 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Sivaraman</u> ; Mukund	Mountain View	CA		
Gupta; Shail Aditya	Sunnyvale	CA		

US-CL-CURRENT: 716/6; 716/1, 716/17, 716/2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Ima
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☐ 5. Document ID: US 6952816 B2

L9: Entry 5 of 37

File: USPT

Oct 4, 2005

US-PAT-NO: 6952816

DOCUMENT-IDENTIFIER: US 6952816 B2

TITLE: Methods and apparatus for digital circuit design generation

DATE-ISSUED: October 4, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gupta; Shail Aditya	Sunnyvale	CA		
Rau; Bantwal Ramakrishna	late of Los Altos	CA		

Rau; Anita B.	Los Altos	CA
<u>Sivaraman</u> ; Mukund	Mountain View	CA
Conquist; Darren C.	San Francisco	CA
Schreiber; Robert S.	Palo Alto	CA
Schlansker; Michael S.	Los Altos	CA

US-CL-CURRENT: 716/18; 716/1, 716/10, 716/2, 716/3, 717/136, 717/141, 717/160

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Ima
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☐ 6. Document ID: US 6904045 B1

L9: Entry 6 of 37

File: USPT

Jun 7, 2005

US-PAT-NO: 6904045

DOCUMENT-IDENTIFIER: US 6904045 B1

TITLE: Method and apparatus for guaranteeing data transfer rates and delays in asynchronous transfer mode networks using pivot sessions

DATE-ISSUED: June 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chiussi; Fabio M.	Long Branch	NJ		
Francini; Andrea	Eatontown	NJ		
<u>Sivaraman</u> ; Vijay	Santa Clara	CA		

US-CL-CURRENT: 370/412; 370/395.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Ima
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☐ 7. Document ID: US 6806357 B1

L9:- Entry 7 of 37

File: USPT

Oct 19, 2004

US-PAT-NO: 6806357

DOCUMENT-IDENTIFIER: US 6806357 B1

TITLE: Fluorous nucleophilic substitution of alcohols and reagents for use therein

DATE-ISSUED: October 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Curran; Dennis P.	Pittsburgh	PA		
Dandapani; <u>Sivaraman</u>	Pittsburgh	PA		

US-CL-CURRENT: 534/558; 560/114, 560/115, 560/8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Ima
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☐ 8. Document ID: US 6778736 B2

L9: Entry 8 of 37

File: USPT

Aug 17, 2004

US-PAT-NO: 6778736  
DOCUMENT-IDENTIFIER: US 6778736 B2

TITLE: Dynamic variable optical attenuator and variable optical tap

DATE-ISSUED: August 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Markwardt; Terry L.	Austin	TX		
Fredin; Leif G.	Austin	TX		
Chen; Ray T.	Austin	TX		
<u>Sivaraman; Ram</u>	Austin	TX		

US-CL-CURRENT: 385/40; 385/140, 385/16, 385/43

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Ima
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☐ 9. Document ID: US 6689588 B1

L9: Entry 9 of 37

File: USPT

Feb 10, 2004

US-PAT-NO: 6689588

DOCUMENT-IDENTIFIER: US 6689588 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Garlic alliinase covalently bound to carrier for continuous production of allician

DATE-ISSUED: February 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mirelman; David	Ramat Efal			IL
Wilchek; Meir	Rehovot			IL
Miron; Talia	Kfar Halm			IL
Rabinkov; Aharon	Rehovot			IL
<u>Sivaraman; Hephzibah</u>	Pune			IN

US-CL-CURRENT: 435/130; 435/176, 435/177, 435/178, 435/179, 435/180, 435/182

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Ima
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☐ 10. Document ID: US 6532213 B1

L9: Entry 10 of 37

File: USPT

Mar 11, 2003

US-PAT-NO: 6532213

DOCUMENT-IDENTIFIER: US 6532213 B1

TITLE: Guaranteeing data transfer delays in data packet networks using earliest deadline first packet schedulers

DATE-ISSUED: March 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Chiussi; Fabio M.	Long Branch	NJ
<u>Sivaraman; Vijay</u>	Los Angeles	CA

US-CL-CURRENT: 370/230.1; 370/235.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIPC	Draw Desc	Imgs
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Terms	Documents
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